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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/737375 OCT 0 8 2004		
		Filing Date	12/14/00		
		First Named Inventor	MARIO Technology Center 2600		
		Group Art Unit	2662		
		Examiner Name	GREGORY B. SEFCHECK		
Sheet	1	of	3	Attorney Docket Number	MIPS.0164-01-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
GBS		US-6088745-A	07-11-2000	BERTAGNA ET AL.	
GBS		US-6157955-A	12-05-2000	NARAD ET AL.	
GBS		US-6169745-B1	01-02-2001	LIU ET AL.	
GBS		US-6226680-B1	05-01-2001	BOUCHER ET AL.	
GBS		US-5918050-A	06-29-1999	ROSENTHAL ET AL.	
GBS		US-6223274-B1	04-24-2001	CATTHOOR ET AL.	
GBS		US-6023738-A	02-08-2000	PRIEM ET AL.	
GBS		US-5659797-A	08-19-1997	ZANDVELD ET AL.	
GBS		US-6070202-A	05-30-2000	MINKOFF ET AL.	
GBS		US-6247105-B1	06-12-2001	GOLDSTEIN ET AL.	
GBS		US-5978893-A	11-02-1999	BAKSHI ET AL.	
GBS		US-5784699-A	07-21-1998	MCAHON ET AL.	
GBS		US-5634015-A	05-27-1997	CHANG ET AL.	
GBS		US-5023776-A	06-11-1991	GREGOR, STEVEN	COL. 1, LINES 44-59
GBS		US-4942518-A	07-17-1990	WEATHERFORD ET AL.	FIG. 2
GBS		US-4707784-A	11-17-1987	RYAN ET AL.	FIG. 4A, COL. 17, LKNES 28-33
GBS		US-6009516-A	12-28-1999	STEISS ET AL.	FIG. 2
GBS		US-5812810-A	09-22-1998	SAGER, DAVID	FIG. 6, COL. 13, LINE 66-COL. 14, LINE 15
GBS		US-5987578-A	11-16-1999	BUTCHER, LAWRENCE	COL. 1, LINE 53 - COL. 2, LINE 3

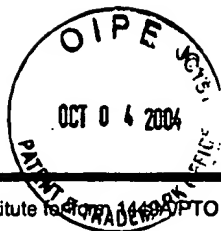
FOREIGN PATENT DOCUMENTS						
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

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Application Number	09/737375
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First Named Inventor	MARIO D. NEMIROVSKY
Group Art Unit	2662
Examiner Name	GREGORY B. SEFCHECK
Attorney Docket Number	MIPS.0164-01-US

U.S. PATENT DOCUMENTS

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GBS		US-5471598-A	11-28-1995	QUATTROMANI ET AL.	
GBS		US-6263452-B1	07-17-2001	JEWETT ET AL.	COL. 7, LINES 26-27; COL. 8, LINES 1-67
GBS		US-5978570-A	11-02-1999	HILLIS, W. DANIEL	COL. 10, LINES 10-67; COL. 12, LINES 1-67
GBS		US-6073251-A	06-06-2000	JEWETT ET AL.	COL. 7, LINES 26-67; COL. 8, LINES 1-67
GBS		US-6381242-B1	04-30-2002	MAHER, III ET AL.	
GBS		US-5121383-A	06-09-1992	GOLESTANI, S. JAMALODDIN	
GBS		US-6483804-B1	11-19-2002	MULLER ET AL.	
GBS		US-6438135-B1	08-20-2002	TZENG, SHRJIE	
GBS		US-6219339-B1	04-17-2001	DOSHI ET AL.	
GBS		US-5809321-A	09-15-1998	HANSEN ET AL.	
GBS		US-5737525-A	04-07-1998	PICAZO, JR. ET AL.	
GBS		US-5619497-A	04-08-1997	GALLAGHER ET AL.	
GBS		US-5521916-A	05-28-1996	CHOUDHURY ET AL.	
GBS		US-5465331-A	11-07-1995	YANG ET AL.	
GBS		2001-0024456-A1	09-27-2001	ZAUN ET AL.	

FOREIGN PATENT DOCUMENTS

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Application Number

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First Named Inventor

MARIO D. NEMIROVSKY

Group Art Unit

2662

Examiner Name

GREGORY B. SEFCHECK

Attorney Docket Number

MIPS.0164-01-US

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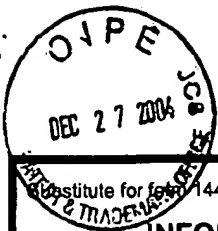
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				Group Art Unit	2662
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U.S. PATENT DOCUMENTS					
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GBS		US-5724565	03-03-1998	DUBEY ET AL	
GBS		US-6523109-B1	02-18-2003	MEIER, STEPHEN G.	
GBS		US-2001/0004755	06-21-2001	LEVY, HENRY M.	
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GBS		US-5708814	01-13-1998	SHORT ET AL.	
GBS		US-6460105	10-01-2002	JONES ET AL.	
GBS		US-20020049964	04-25-2002	TAKEYAMA ET AL.	
GBS		US-20020071393	06-13-2002	ENRIQUE MUSOLL	
GBS		US-4200927	04-29-1980	HUGHES ET AL.	
GBS		US-6535905	03-18-2003	KALAFATIS ET AL.	
GBS		US-20010052053	12-13-2001	NEMIROVSKY ET AL.	
GBS		US-20020083173	06-27-2002	MUSOLL ET AL.	
GBS		US Application Serial No. 09/606,750	Not Published	NEMIROVSKY ET AL.	
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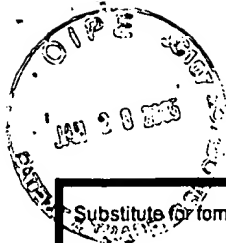
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
GBS	BA	WO-03/005645-A2	01-16-2003	SAMPATH ET AL.		

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NON PATENT LITERATURE DOCUMENTS			
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GBS	AA	YAMAMOTO, WAYNE. <i>An Analysis of Multistreamed, Superscalar Processor Architectures</i> . University of California Santa Barbara Dissertation. December 1995. Santa Barbara, US.	
GBS	AB	YAMAMOTO et al. "Increasing Superscalar Performance Through Multistreaming." <i>Parallel Architectures and Compilation Techniques (PACT '95)</i> . 1995	
GBS	AC	The PowerPC Architecture: A Specification for a New Family of RISC Processors. 2 nd Ed. May 1994. pp. 70-72. Morgan Kaufmann. San Francisco, US.	
GBS	AD	MC68020 32-Bit Microprocessor User's Manual. 3 rd Ed.. 1989. pp. 3-125, 3-126, and 3-127. Prentice Hall, NJ, US.	
GBS	AE	POTEL, M. J. "Real-Time Playback in Animation Systems." <i>Proceedings of the 4th Annual Conference on Computer Graphics and Interactive Techniques</i> . 1977. pp. 72-77. San Jose, CA, US.	
GBS	AF	ARM Architecture Reference Manual. 1996. pp. 3-41, 3-42, 3-43, 3-67, and 3-68. Prentice Hall, NJ, US.	
GBS	AG	ESA/390 Principles of Operation. IBM Online Publications Center Reference Number SA22-7201-08. Table of Contents and paras. 7.5.31 and 7.5.70. IBM Corporation. Boulder, CO, US.	
GBS	AH	MC88110 Second Generation RISC Microprocessor User's Manual. 1991. pp. 10-66, 10-67, and 10-71. Motorola, Inc.	
GBS	AI	DIEFENDORFF, KEITH ET AL. "Organization of the Motorola 88110 Superscalar RISC Microprocessor." <i>IEEE Journal of Microelectronics</i> . April 1992. pp. 40-63. Vol. 12, No. 2. IEEE. New York, NY, US.	
GBS	AJ	KANE, GERRY. <i>PA-RISC 2.0 Architecture</i> . 1996, pp. 7-106 and 7-107. Prentice Hall, NJ, US.	
GBS	AK	DIEFENDORFF, KEITH ET AL. "Altivec Extension to PowerPC Accelerates Media Processing." <i>IEEE Journal of Microelectronics</i> . Vol. 20, No. 2 (2000): pp. 85-95	
GBS	AL	GRUNEWALD, WINFRIED ET AL. "Towards Extremely Fast Context Switching in a Block Multithreaded Processor." <i>Proceedings of EUROMICRO 22</i> , 1996. pp. 592-599	
GBS	AM	BRADFORD, JEFFREY ET AL. "Efficient Synchronization for Multithreaded Processors." <i>Workshop on Multithreaded Execution, Architecture, and Compilation</i> . Jan-Feb 1998. pp. 1-4	
GBS	AN	PAI, VIJAY ET AL. "An Evaluation of Memory Consistency Models for Shared-Memory Systems with ILP Processors." <i>Proceedings of ASPLOS-VII</i> , Oct. 1996: pp. 12-23, ACM, Inc.	
GBS	AO	YOAZ ET AL. "Speculation Techniques for Improving Load Related Instruction Scheduling." 1999. Pages 42-53, IEEE.	
GBS	AP	KESSLER, R. E. "The Alpha 21264 Microprocessor: Out-of-Order Execution at 600 MHz." August 1998.	
GBS	AQ	DONALDSON ET AL. "DISC: Dynamic Instruction Stream Computer, An Evaluation of Performance." <i>26th Hawaii Conference on Systems Sciences</i> . Vol. 1. 1993. Pages 448-456.	
GBS	AR	NEMIROVSKY ET AL. "DISC: Dynamic Instruction Stream Computer." ACM. 1991. Pages 163-171	
GBS	AS	MELVIN ET AL., "Extended Instruction Set for a Packet Processing Applications," July 5, 2001. Disclosure Document #496559, USPTO	
GBS	AT	SAMPATH ET AL., "Mechanism to Un-speculatively Pre-fetch Instructions from the Thread Associated to a Packet," April 2, 2001, Disclosure Document #491527, USPTO	

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